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Probable impacts of climate change on public health in Bangladesh

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Journal: Asia-Pacific Journal of Public Health / Asia-Pacific Academic Consortium for

Public Health. 22 (3): 310-319

Abstract:

The recent report of the Intergovernmental Panel on Climate Change confirmed that there is overwhelming evidence that the global climate will severely affect human health. Climate change might have severe consequences on public health in Bangladesh, especially in light of the poor state of the country's public health infrastructure. A number of possible direct and indirect impacts of climate change on public health in Bangladesh have been identified in this article. Adaptive measures that should be taken to reduce the negative consequences of climate change on public health have also been discussed.

Source: http://dx.doi.org/10.1177/1010539509335499

Resource Description

Exposure: M

weather or climate related pathway by which climate change affects health

Air Pollution, Ecosystem Changes, Extreme Weather Event, Food/Water Quality, Food/Water Quality, Food/Water Security, Human Conflict/Displacement, Precipitation, Temperature

Extreme Weather Event: Drought, Flooding, Hurricanes/Cyclones

Food/Water Quality: Chemical, Chemical, Other Water Quality Issue

Water Quality (other): Salinity

Food/Water Security: Agricultural Productivity, Nutritional Quality

Temperature: Extreme Heat, Fluctuations

Geographic Feature: M

resource focuses on specific type of geography

Freshwater, Ocean/Coastal, Urban

Geographic Location: M

resource focuses on specific location

Non-United States

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Non-United States: Asia

Asian Region/Country: Other Asian Country

Other Asian Country: Bangladesh

Health Impact: M

specification of health effect or disease related to climate change exposure

Cardiovascular Effect, Dermatological Effect, Infectious Disease, Injury, Mental Health/Stress, Morbidity/Mortality, Respiratory Effect, Urologic Effect, Other Health Impact

Cardiovascular Effect: Other Cardiovascular Effect

Cardiovascular Disease (other): Coronary artery disease; Heart arrhythmia

Infectious Disease: Foodborne/Waterborne Disease, General Infectious Disease, Vectorborne

Disease

Foodborne/Waterborne Disease: Cholera, Cryptosporidiosis, E. coli, Giardiasis, Rotavirus, Other

Diarrheal Disease

Vectorborne Disease: Fly-borne Disease, Mosquito-borne Disease

Fly-borne Disease: Leishmaniasis

Mosquito-borne Disease: Dengue, General Mosquito-borne Disease, Viral Encephalitis

Mental Health Effect/Stress: Mood Disorder, Stress Disorder

Respiratory Effect: Asthma, Chronic Obstructive Pulmonary Disease, Lung Cancer, Upper

Respiratory Allergy

Other Health Impact: Heat stress

Mitigation/Adaptation: **№**

mitigation or adaptation strategy is a focus of resource

Adaptation

type of model used or methodology development is a focus of resource

Exposure Change Prediction

Population of Concern: A focus of content

Population of Concern: M

populations at particular risk or vulnerability to climate change impacts

Children, Elderly, Low Socioeconomic Status, Workers

Resource Type: M

format or standard characteristic of resource

Review

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Resilience: M

capacity of an individual, community, or institution to dynamically and effectively respond or adapt to shifting climate impact circumstances while continuing to function

A focus of content

Timescale: **™**

time period studied

Long-Term (>50 years)

Vulnerability/Impact Assessment: ™

resource focus on process of identifying, quantifying, and prioritizing vulnerabilities in a system

A focus of content